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Terms	Documents
trisiloxane near3 (polyoxyethylene POE\$)	4

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DB=USPT; PLUR=YES; OP=OR

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<u>L75</u>	trisiloxane near3 (POE-10 POE10 POE PEG-10)	0	<u>L75</u>
<u>L74</u>	trisiloxane	811	<u>L74</u>
<u>L73</u>	L71 and polyoxyethylene	18	<u>L73</u>
<u>L72</u>	L71 and (trixiloxane)	0	<u>L72</u>
<u>L71</u>	(silicone adj (emulsif\$ surfac\$)).ti.	40	<u>L71</u>
<u>L70</u>	(silicone adj (emulsif\$ surfac\$)).ab.	59	<u>L70</u>
<u>L69</u>	(l32 or l33) and (nanoemulsion nano-emulsion microemulsion micro-emulsion)	1	<u>L69</u>
<u>L68</u>	clariant.as. and trimethylsil\$	13	<u>L68</u>
<u>L67</u>	clariant.as. and soybean	10	<u>L67</u>

<u>L66</u>	clariant.as. and soy	0	<u>L66</u>
<u>L65</u>	clariant.as. and soy.ab.	0	<u>L65</u>
<u>L64</u>	(silicone near3 polyoxyethylene near3 copolymer\$) and (cosmetic pharmaceu\$)	9	<u>L64</u>
<u>L63</u>	(silicone near3 polyoxyethylene near3 copolymer\$) near4 (hydrophilic water)	2	<u>L63</u>
<u>L62</u>	(silicone near3 polyoxyethylene near3 copolymer\$)	24	<u>L62</u>
<u>L61</u>	silicone-polyoxyethylene adj copolymers	0	<u>L61</u>
<u>L60</u>	L58 and (silicone near3 surfac\$ emulsif\$)	9	<u>L60</u>
<u>L59</u>	L58 and (abil or (dimethyl adj copolyol))	0	<u>L59</u>
<u>L58</u>	(silicone adj4 water adj4 emulsion).ab. and cosmetic	10	<u>L58</u>
<u>L57</u>	(silicone adj4 water adj4 emulsion) and cosmetic	110	<u>L57</u>
<u>L56</u>	silicone adj4 water adj4 emulsion	310	<u>L56</u>
<u>L55</u>	silicone near4 water near4 emulsion	915	<u>L55</u>
<u>L54</u>	(hydrophobic near3 hydrophilic near3 silicone near5 (emulsif\$ surfac\$))	3	<u>L54</u>
<u>L53</u>	(hydrophobic near10 hydrophilic near10 silicone near5 (emulsif\$ surfac\$))	76	<u>L53</u>
<u>L52</u>	(dual near5 silicone near5 (emulsif\$ surfac\$))	6	<u>L52</u>
<u>L51</u>	(L32 or L33) and (silicone adj3 water)	13	<u>L51</u>
<u>L50</u>	(L32 or L33) and (silicone near3 water)	17	<u>L50</u>
<u>L49</u>	(L32 or L33) and (silicone-in-water s/w)	0	<u>L49</u>
<u>L48</u>	(L32 or L33) and (silicone-in-water or oil-in-water or o/w s/w)	26	<u>L48</u>
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L47</u>	L42 and (aqueous liquid).ab.	34	<u>L47</u>
<u>L46</u>	L43 and (aqueous liquid).ab.	0	<u>L46</u>
<u>L45</u>	L43 and (aqueous liquid)	7	<u>L45</u>
<u>L44</u>	L43 and (aqueous adj emulsion)	0	<u>L44</u>
<u>L43</u>	(L33 or l32) and (cosmetic pharma\$) and (emulsion or nanoemulsion) and nano\$	7	<u>L43</u>
<u>L42</u>	(L33 or l32) and (cosmetic pharma\$) and (emulsion or nanoemulsion or nano\$)	82	<u>L42</u>
<u>L41</u>	L40 and nano\$	3	<u>L41</u>
<u>L40</u>	L36 and cosmetic and emulsion	47	<u>L40</u>
<u>L39</u>	L35 and siloxane	0	<u>L39</u>
<u>L38</u>	L35 and trimethylsiloxane	0	<u>L38</u>
<u>L37</u>	L35 and trisiloxane	0	<u>L37</u>
<u>L36</u>	(L33 or l32) and hydrophilic	47	<u>L36</u>
<u>L35</u>	(L33 or l32) and silcare\$	0	<u>L35</u>
<u>L34</u>	(L33 or l32) and silcare	0	<u>L34</u>
<u>L33</u>	abil adj em90	55	<u>L33</u>
<u>L32</u>	abil adj em-90	46	<u>L32</u>

<u>L31</u>	clariant.as.	2484	<u>L31</u>
<u>L30</u>	silcare	0	<u>L30</u>
<u>L29</u>	retinoxy\$	0	<u>L29</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L28</u>	retinoxy adj trimethylsilane	0	<u>L28</u>
<i>DB=JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L27</u>	retinoxy adj trimethylsilane	0	<u>L27</u>
<u>L26</u>	retinoxytrimethylsilane.ab.	0	<u>L26</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L25</u>	retinoxytrimethylsilane.ab.	0	<u>L25</u>
<u>L24</u>	L23 and retinoxytrimethylsilane	0	<u>L24</u>
<u>L23</u>	L16 and cosmetic and (nano\$) and dispers\$	5	<u>L23</u>
<u>L22</u>	L16 and cosmetic and (nano\$)	6	<u>L22</u>
<u>L21</u>	L16 and cosmetic and (nano\$ micro\$)	15	<u>L21</u>
<u>L20</u>	L16 and cosmetic	93	<u>L20</u>
<u>L19</u>	L16 and micro\$	10	<u>L19</u>
<u>L18</u>	L16 and nano\$	6	<u>L18</u>
<u>L17</u>	L16 and nanoemulsion	0	<u>L17</u>
<u>L16</u>	(retinoxytrimethylsilane stearoxytrimethylsilane) and emulsion	101	<u>L16</u>
<u>L15</u>	(retinoxytrimethylsilane stearoxytrimethylsilane)	115	<u>L15</u>
<u>L14</u>	L11 and (retinoxytrimethylsilane stearoxytrimethylsilane cetoxytrimethylsilane cetearoxytrimethylsilane arachidoxy\$ behenox\$ beheneo\$ palmitoleoxy\$ oleoxy\$ linoleo\$)	2	<u>L14</u>
<u>L13</u>	L11 and (trimethyl\$)	2	<u>L13</u>
<u>L12</u>	(6346553 6258365).pn.	2	<u>L12</u>
<u>L11</u>	(5183914 5157139 5126136 4500725 4400509 5543540 5435996 5340570).pn.	8	<u>L11</u>
<u>L10</u>	(5543540 5435996 5340570).pn. and trimethylsilyl\$	1	<u>L10</u>
<u>L9</u>	(5543540 5435996 5340570).pn. and cosmetic	2	<u>L9</u>
<u>L8</u>	(trimethylsilyl\$ near10 (aliphatic or fatty) near10 alcohol) and cosmetic	9	<u>L8</u>
<u>L7</u>	(trimethylsilyl\$ near10 (aliphatic or fatty) near10 alcohol) and emulsion	10	<u>L7</u>
<u>L6</u>	(trimethylsilyl\$ near10 derivative\$ near10 (aliphatic or fatty)) and emulsion and cosmetic	1	<u>L6</u>
<u>L5</u>	trimethylsilyl\$ and emulsion and cosmetic	606	<u>L5</u>
<u>L4</u>	trimethylsilyl\$	24170	<u>L4</u>
<i>DB=JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L3</u>	alkoxytrimethylsilane	2	<u>L3</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L2</u>	alkoxytrimethylsilane	5	<u>L2</u>
<u>L1</u>	alkoxytrimethylsilane	0	<u>L1</u>

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File: DWPI

Jul 7, 1994

DERWENT-ACC-NO: 1994-234292
DERWENT-WEEK: 199428
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TITLE: Sprayable viscous gel-type hair conditioning prods. - comprising alkyl poly:ol, water soluble or emulsifiable silicone based cpd. and hair conditioning ingredients

INVENTOR: FERULLO, T; SCHULTZ, T M ; WONG, S

PATENT-ASSIGNEE:

ASSIGNEE

SHISEIDO CO LTD

CODE

SHIS

PRIORITY-DATA: 1992WO-US10036 (December 21, 1992).

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9414404 A1	July 7, 1994	E	027	A61K007/075

DESIGNATED-STATES: KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE

CITED-DOCUMENTS:US 3246850; US 3724763 ; US 4563347 ; US 4591076 ; US 4749732 ; US 4838490

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 9414404A1	December 21, 1992	1992WO-US10036	

INT-CL (IPC): A61K 7/075; A61K 7/11; B65D 83/00

ABSTRACTED-PUB-NO: WO 9414404A

BASIC-ABSTRACT:

A viscous gel-type hair conditioning prod. comprises a gel base compsn. incorporating: (a) hair conditioning ingredients; (b) an alkyl polyol having a carbon content of 2-8 and a hydroxyl ion content of 2-7; and (c) a water soluble or emulsifiable silicone based cpd. The prod. is capable of being dispersed through small diametered orifices of a pump delivery system and producing a liquefied mist spray. Also claimed are a prod. delivery system and a process for manufacturing the hair conditioning gel.

A sprayable hair conditioning gel comprises: 0.10-10 wt.% of an alkyl polyol selected from glycerin, propylene glycol, sorbitol, hydrogenated starch hydrolysate, 1,3-butylene glycol and diethylene glycol; 0.02-5 wt.%, pref. 0.02-1.5 wt.% of a water soluble or emulsifiable silicone based cpd. selected from amodimethicone, dimethicone, dimethicon copolyol, stearoxytrimethylsilane and stearoxy dimethicone; 2-10 wt.% hair conditioning ingredients; and deionised water to balance.

ADVANTAGE - The prod. is easily dispensed and can be quickly and easily rubbed into the hair. Unlike prior art gel conditioners the prod. can be dispensed through small diameter orifices without clogging.

and 0.125% SILWET.RTM. L-7280 TSA were prepared. The foaming and spreading properties of these mixtures are shown in Table 5 & 6. Also included in Table 1 are aqueous mixtures containing 0.5%, 0.25% and 0.125% SILWET.RTM. L-7280 TSA as controls to demonstrate the benefits of this invention.

Detailed Description Paragraph Left (10):

SILWET.RTM. L-7500 Copolymer is a silicone polyether copolymer having 3,000 molecular weight and contains only propylene oxide (PO). SILWET.RTM. L-7600 Copolymer is a silicone polyether copolymer having 4,000 molecular weight and contains only ethylene oxide (EO).